

What is claimed is:

1. A feed device for extending the processing runs of manufacturing explosive materials, comprising:

5 a feed hopper for retaining processing materials, the feed hopper having an access at the top of the feed hopper for inputting processing materials therein; and,

an extender attached to the top of the feed hopper, the extender having one or more baffles fixed within the interior of the extender, wherein the extender is attached to the top of the feed hopper effective for conveying processing materials, from the extender, through the access and into the feed hopper.

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2. The feed device of claim 1, wherein the extender includes at least two baffles.

3. The feed device of claim 2, wherein the extender includes from about 2 to about 7 baffles.

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4. The feed device of claim 1, wherein the extender includes an access port capable of being closed.

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5. The feed device of claim 1, wherein the baffles are slanted at an angle of from about 30 degrees to about 60 degrees.

6. The feed device of claim 5, wherein the baffles are slanted at an angle of from about 40 degrees to about 50 degrees.
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7. The feed device of claim 6, wherein the baffles are slanted at an angle of about 45 degrees.
8. The feed device of claim 1, wherein the baffles substantially cover a cross-
- 10 sectional area of the extender.
9. The feed device of claim 8, wherein the baffles extend to cover from about 70% to about 80% of the area within the extender.
- 15 10. The feed device of claim 1, further comprising an attaching mechanism effective to attached the extender to the feed hopper.
11. The feed device of claim 10, wherein the attaching mechanism comprises conduit forming seal selected from the group consisting of clamp mechanism, screw
- 20 fastener, latching device and collar support.

12. The feed device of claim 11, wherein the attaching mechanism comprises a clamp mechanism.

5 13. The feed device of claim 1, wherein the attaching mechanism comprises a gasket.

14. The feed device of claim 1, wherein the extender comprises a substantially uniform interior diameter.

10 15. A method for augmenting a feed hopper for manufacturing explosive materials, comprising the steps of:

providing a feed device for extending the processing runs of manufacturing explosive materials having a feed hopper for retaining processing materials, the feed hopper having an access at the top of the feed hopper for inputting processing materials therein and an extender attached to the top of the feed hopper, the extender having one or more baffles fixed within the interior of the extender, wherein the extender is attached to the top of the feed hopper effective for conveying processing materials, from the extender, through the access and into the feed hopper; and,

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conveying processing materials from the extender into the feed hopper.

16. The method of claim 15, wherein the step of conveying the retained processing materials comprises an agitator.
17. The feed device of claim 15, wherein the baffles retain from about 7 pounds of processing material or less.
18. The feed device of claim 17, wherein each level of baffles retains about the same amount of processing material as retained by the feed hopper.
19. An extended explosive manufacture process product comprising the method of claim 15.
20. A continuous explosive manufacture process product comprising the method of claim 15.